



COPY OF PAPERS  
ORIGINALLY FILED

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/960,242	09/21/2001	2881	2138	500.806US1	6	86	6

CONFIRMATION NO. 4324

21186  
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. BOX 2938  
MINNEAPOLIS, MN 55402

FILING RECEIPT



\*OC000000007147226\*

Date Mailed: 12/03/2001

IDS Due-2 1-21-02  
9 mobj ltr 6-21-02  
FF Deadline 9-21-02

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Devin Crawford, St. Paul, MN;  
Roger W. [REDACTED], Oakdale, MN;

Assignment For Published Patent Application

ADC Telecommunications, Inc.;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 10/30/2001

Projected Publication Date: 03/27/2003

Non-Publication Request: No

Early Publication Request: No

Title

Three-cavity stabilized laser system

CMG RECEIVED

Preliminary Class

372

JAN 02 2001

Schwegman, Lundberg  
Woessner & Kluth, P.A.

RECEIVED  
MAR 14 2002  
TC 2800 MAIL ROOM

Schwegman, Lundberg,  
Woessner & Kluth, P.A.

DEC 07 2001

RECEIVED

---

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

RECEIVED  
MAR 14 2002  
IC 2800 MAIL ROOM

S/N 09/960,242



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Devin Crawford et al.

Examiner:

Serial No.: 09/960,242

Group Art Unit: 2881

Filed: September 21, 2001

Docket: 500.806US1

Title: THREE CAVITY STABILIZED LASER SYSTEM

**COMMUNICATION RE: INCORRECT FILING RECEIPT**

Commissioner for Patents  
Washington, D.C. 20231

Applicants hereby request correction of the Filing Receipt with respect to the above-identified patent application. In the Filing Receipt received December 7, 2001, (copy enclosed), in the Applicants section, it reads Roger W. McGowen. It should read, Roger W. McGowan as evidenced in the Assignment, (copy enclosed).

Applicants would appreciate the above-identified printing error be corrected and that a new "corrected" filing receipt be sent to Applicants' representatives at the address given below.

Respectfully submitted,

DEVIN CRAWFORD ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(802) 660-7199

Date January 3, 2002 By Joseph E. Gortych  
Joseph E. Gortych  
Reg. No. 41,791  
JEG:CMG:gru

RECEIVED  
MAR 14 2002  
TC 2800 MAIL ROOM

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on 1-3-02 (Date of Deposit).  
Gina Vohus  
Gina Vohus

## ASSIGNMENT

WHEREAS, WE, Devin Crawford, residing at 1640 Alameda Street, St. Paul, MN 55117, Administration, and Robert W. McGowan, residing at 6418 26th Street North, Oakdale, MN 55128, made certain new and useful inventions and improvements for which We executed an application for Letters Patent of the United States on Even Date Herewith, which is entitled THREE CAVITY STABILIZED LASER SYSTEM

AND WHEREAS, ADC Telecommunications, Inc., a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at Law Department, MS #32, 13625 Technology Drive, Eden Prairie, MN 55344, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

Docket No.: 500.806US1  
Serial No.: Not Assigned  
Filing Date: Even Date Herewith  
Page 2 of 3

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day of Sept., 2001.

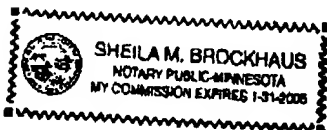
Devin E. Crawford  
Devin Crawford

STATE OF MN )  
 )ss.  
COUNTY OF Ramsey )

On this 21 day of September, 2001 before me personally appeared Devin Crawford to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Sheila M. Brockhaus  
Notary Public



RECEIVED  
MAR 14 2002  
TC 2800 MAIL ROOM

Docket No.: 500.806US1  
Serial No.: Not Assigned  
Filing Date: Even Date Herewith  
Page 3 of 3

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day of Sept, 2001.

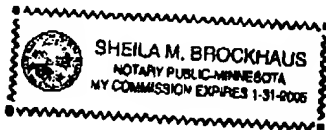
STATE OF MN )  
COUNTY OF Ramsey )ss.

Roger W. McGowan  
McGowan

On this 21 day of September 2001 before me personally appeared Roger W. McGowan  
to me known and known to me to be the person described in and who executed the foregoing McGowan  
instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and  
purposes therein set forth.

[SEAL]

Sheila M Brockhaus  
Notary Public



FORM PTO-1594  
01-10-96:CMG

FEB 07 2002

RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Atty Ref/Docket No.: 500.806US1

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Devin Crawford and ~~Robert W. McGowan~~

2. Name and address of receiving party(ies):

Name: ADC Telecommunications, Inc.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Street Address: Law Department, MS #32  
13625 Technology Drive

City: Eden Prairie State: MN ZIP: 55344

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: September 21, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: September 20, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Joseph E. Gortych

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our  
Deposit account number: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Joseph E. Gortych/Res. No. 41.791

Name of Person Signing

Signature

Date

September 21, 2001  
Total number of pages including cover sheet: 4

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.